

# Resource Summary Report

Generated by [kravitz2](#) on Aug 12, 2026

[Cd28<sup>tm1Shr</sup>/Cd28<sup>tm1Shr</sup>; Ctla4<sup>tm1Shr</sup>/Ctla4<sup>tm1Shr</sup>](#)

RRID:MGI:3721947

Type: Organism

## Proper Citation

RRID:MGI:3721947

## Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3721947

**Description:** Allele Detail: Targeted This is a legacy resource.

**Species:** Mus musculus

**Notes:** Allele Detail: Targeted This is a legacy resource.

**Phenotype:** increased length of allograft survival, abnormal interferon level, decreased T cell proliferation, abnormal interleukin secretion, decreased CD4-positive, alpha beta T cell number

**Affected Gene:** Cd28, Ctla4

**Genomic Alteration:** tm1Shr

**Catalog Number:** 3721947

**Background:** C.129S4-Cd28 Ctla4

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:11285307](#)

**Organism Name:** Cd28<sup>tm1Shr</sup>/Cd28<sup>tm1Shr</sup>; Ctla4<sup>tm1Shr</sup>/Ctla4<sup>tm1Shr</sup>

**Record Creation Time:** 20240120T190503+0000

**Record Last Update:** 20240130T201932+0000

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## Ratings and Alerts

No rating or validation information has been found for Cd28<sup>tm1Shr</sup>/Cd28<sup>tm1Shr</sup>; Ctla4<sup>tm1Shr</sup>/Ctla4<sup>tm1Shr</sup>.

No alerts have been found for Cd28<sup>tm1Shr</sup>/Cd28<sup>tm1Shr</sup>; Ctla4<sup>tm1Shr</sup>/Ctla4<sup>tm1Shr</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.